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AN INTRODUCTORY BIBLIOGRAPHY IN PLANNING THEORY

Herman G. Berkman, Professor of Planning, Program in Urban and Regional Planning and Housing, Graduate School of Public Administration, New York University, New York.

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INTRODUCTION

The bibliography which follows was developed for a course in planning theory. This is the third in a sequence of courses required for those working toward the degree, Master of Urban Planning, at New York University. It follows courses in planning principles which provide substantive materials. The course in planning theory as given and as reflected in the bibliography emphasizes planning and the scientific method; examines questions of cause and effect, principally with a view toward developing the nature and significance of the applications of models in urban planning.

The course seeks to provide an introduction to mathematical techniques as applied to planning and seeks to orient students toward the increasing importance of mathematical models which are now being generated in fields related to urban planning. The bibliography turns first to the question of the nature of planning and of what we mean by the term, "planning theory." A group of readings on the philosophical foundations for understanding the nature and role of models in planning is followed by references on models which are useful in determining spatial patterning and generating form. Readings on the models presented include those which emphasize location theory, gravity and potential models and models involving central place theory. This section on spatial patterning and form generation concludes with readings in what normally have been given to planning students as "physical planning models" but which the author of this bibliography prefers to call architectonic models.

Such techniques for decision making as cost benefit analysis, programming and gaming approaches and other models and techniques for decision making are next. These constitute significant readings in planning viewed from the point of view of decision making. Next there is a group of special models as examples of those which are non-spatial in character. The ones selected are of use to the planner as models for casting light on problems of population, traffic and economic base analysis. The bibliography concludes with a short series of readings on urban growth, synthesis through simulation.

Increasing concern with models and their application to urban planning constitute the basis for presentation of this initial bibliography. Writings in areas pertinent to the development of sound planning theory are appearing constantly and even while this bibliography is being made available, a new one is being developed. Perhaps it would be possible to update this bibliography from time to time as these materials appear. It is the author's wish that this service be of some assistance to the planning profession, which plays such an important role in our modern world.

Herman G. Berkman

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I. NATURE OF PLANNING

- Ackoff, Russell. "Systems, Organizations, and Interdisciplinary Research," GENERAL SYSTEMS, Vol. 5 (1960), 1-8.
- Banfield, Edward C. "Ends and Means in Planning," INTERNATIONAL SOCIAL SCIENCE JOURNAL, Vol. 11, no. 3 (1959), 361-379.
- Bennis, Warren G. "Towards a Truly Scientific Management, the Concept of Organization Health," GENERAL SYSTEMS, Vol. 7 (1962), 269.
- Berkman, Herman G. OUR URBAN PLANT. Madison: University of Wisconsin Extension, 1964.
- Boulding, Kenneth E. "Political Implications of General System Research," GENERAL SYSTEMS, Vol. 6 (1961), 1-7.
- Branch, Melville C. "Planning and Operations Research," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 4 (1957), 168-175.
- - - - "Conceptualization in Business Planning and Decision Making," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23 (Winter 1957), 13-22.
- - - - THE CORPORATE PLANNING PROCESS. New York: American Management Association, 1962. Chapters 2, 4, 5.
- Churchman, C. West. PREDICATION AND OPTIMAL DECISION; PHILOSOPHICAL ISSUES OF A SCIENCE OF VALUES. Englewood Cliffs, N. J.: Prentice Hall, 1961. Chapters 1-6.
- Dahl, Robert A. "The Politics of Planning," INTERNATIONAL SOCIAL SCIENCE JOURNAL, Vol. 11, no. 3 (1959), 340-350.
- Dakin, John. "An Evaluation of the 'Choice' Theory of Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 29 (February 1963), 19-28.
- Davidoff, Paul and Thomas A. Oliver. "A Choice Theory of Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 28 (May 1962), 103-115.
- Dyckman, John W. "Planning and Decision Theory," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 27 (November 1961), 335-343.

- Friedman, John. "Regional Planning as a Field of Study," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 29 (August 1963), 168-179.
- - - -, Editor. "The Study and Practice of Planning," INTERNATIONAL SOCIAL SCIENCE JOURNAL, Vol. 11, no. 3 (1959), 327-409.
- Glass, Ruth. "The Evaluation of Planning," INTERNATIONAL SOCIAL SCIENCE JOURNAL, Vol. 11, no. 3 (1959), 393-409
- Haar, Charles, Benjamin Higgins, and Lloyd Rodwin. "Economics and Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 24, no. 3 (1958), 167-173.
- Handler, A. Benjamin. "What Is Planning Theory?" JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 3 (1957), 144-150.
- Harris, Britton. "Plan or Projection," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 26 (November 1960), 265-272.
- Haworth, Lawrence L. "An Institutional Theory of the City and Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 3 (1957), 135-143.
- Herbert, Gilbert. "The Organic Analogy in Town Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 29 (August 1963), 198-209.
- Hodge, Gerald. "The Use and Misuse of Measurement Scales in City Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 29 (May 1963), 112-121.
- Howard, John T. "Basic Research Problems of the Urban Metropolitan Region: Problems Related to Planning," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 2 (1956), 103-118.
- Isard, Walter and Thomas S. Reiner. "Regional Science and Planning," REGIONAL SCIENCE ASSOCIATION PAPERS, Vol. 8 (1962), 1-35.
- - - - and John H. Cumberland. REGIONAL ECONOMIC PLANNING. Paris: European Productivity Agency of the Organization for European Economic Co-operation, 1961. Chapters 1 and 7.

- Kuhn, Tillo E. PUBLIC ENTERPRISE ECONOMICS AND TRANSPORT PROBLEMS. Berkeley: University of California Press, 1962. Chapter 2.
- LeBreton, Preston P. and Dale A. Henning. PLANNING THEORY. Englewood Cliffs: Prentice Hall, 1961. Chapters 2, 4, and 12.
- Lee, James E. "The Role of the Planner in the Present, A Problem in Identification," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 24, no. 3 (1958), 151-157.
- Meier, Richard L. "Explorations in the Realm of Organization Theory," BEHAVIORAL SCIENCE, Vol. 3 (1958), 68-79; Vol. 4 (1959), 235-244.
- McCarger, Robert S. "Data Processing and Planning." AUTOMATIC DATA PROCESSING: ITS APPLICATION TO URBAN PLANNING. Edited by Richard D. Duke. East Lansing: Michigan State University, 1961. Pages 69-95.
- Pittsburgh, Pa. Department of City Planning. DATA PROCESSING AND SIMULATION TECHNIQUES. October 1962.
- Polsby, Nelson W., Robert A. Dentler, and Paul A. Smith. POLITICS AND SOCIAL LIFE. Boston: Houghton-Mifflin Co., 1963. Pages 27, 29, and 33.
- Powers, W. T., R. K. Clark, and R. I. McFarland. "A General Feedback Theory of Human Behavior," GENERAL SYSTEMS, Vol. 5 (1960), 63-83.
- Seeley, John R. "What Is Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 28 (May 1962), 91-97.
- Stephenson, Gordon. "Some Thoughts on the Planning of Metropolitan Regions," PAPERS AND PROCEEDINGS, THE REGIONAL SCIENCE ASSOCIATION, Vol. 4 (1958), 27-46.
- Voorhees, Alan N. "The Nature and Uses of Models in City Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 57-60.
- Walter, Benjamin. "Organizations, Computers, Logic," PUBLIC ADMINISTRATION REVIEW, Vol. 21 (August 1961), 226-233.
- Wingo, Lowden. TRANSPORTATION AND URBAN LAND. Washington, D. C.: Resources for the Future, 1961. Chapter 1.

II. PHILOSOPHICAL FOUNDATIONS

- Ayer, Alfred Jules. LANGUAGE, TRUTH AND LOGIC. New York: Dover, 1946. Chapters 1, 4-7.
- Ackoff, Russell. SCIENTIFIC METHOD. New York: John Wiley, 1962. Chapters 1-6, 10-13, 15.
- Boulding, K.E. THE IMAGE: KNOWLEDGE IN LIFE AND SOCIETY. Ann Arbor: University of Michigan Press, 1956.
- Braithwaite, R.B. THEORY OF GAMES AS A TOOL FOR THE MORAL PHILOSOPHER. Cambridge: Cambridge University Press, 1955.
- Churchman, C. West. PREDICATION AND OPTIMAL DECISION; PHILOSOPHICAL ISSUES OF A SCIENCE OF VALUES. Englewood Cliffs, N. J.: Prentice Hall, 1961. Chapters 1-6.
- Dardian, D., P. Suppes and S. Siegel. DECISION MAKING: AN EXPERIMENTAL APPROACH. Stanford: Stanford University Press, 1957.
- Giedion, Sigfried. SPACE, TIME AND ADVENTURE: THE GROWTH OF A NEW TRADITION. Cambridge: Harvard University Press, 1954.
- Langer, Suzanne K. PHILOSOPHY IN A NEW KEY. New York: Mentor, 1962. Chapters 1, 2, 3, 4, 10.
- Mumford, Lewis. THE HUMAN PROSPECT. Boston: The Beacon Press, 1955. Pages 3-10, 68-73, 99-114, 146-177, 202-224, 283-287.
- Northrop, F.S.C. THE LOGIC OF THE SCIENCES AND HUMANITIES. New York: Meridian Books, Inc., 1959. Chapters 1-7, 14, 16, 17, 21.
- Polsby, Nelson W., Robert A. Dentler, and Paul A. Smith. POLITICS AND SOCIAL LIFE. Boston: Houghton-Mifflin Co., 1963. Pages 2, 8.
- Rappaport, Anatol. FIGHTS, GAMES, AND DEBATES. Ann Arbor: University of Michigan Press, 1960. Foreword.
- Santayana, George. REASON AND ART. Riverside, N. J.: Collier Paperback, 1962. ("Life of Reason" Series, Vol. 4). Chapters 1-3; 7-11.
- Wright, Frank Lloyd. THE LIVING CITY. New York: Mentor, 1963. Pages 19-98.

III. SPATIAL PATTERNING AND FORM GENERATION

A. Location Theory

Alonso, William. "A Theory of the Urban Land Market," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 6 (1960), 149-157.

Greenhut, Melvin L. PLANT LOCATION IN THEORY AND IN PRACTICE. Chapel Hill: The University of North Carolina Press, 1956. Part One, Chapters 6 and 11.

Hansen, Walter G. "How Accessibility Shapes Land Use," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 73-76.

Isard, Walter. METHODS OF REGIONAL ANALYSIS. New York: John Wiley, 1960. Pages 232-308, 375-412.

- - - - LOCATION AND SPACE ECONOMY. Cambridge: The M.I.T. Press, 1956. Chapters 2, 5-9.

- - - - and Eugene W. Schooler. "Industrial Complex Analysis, Agglomeration Economies, and Regional Development," JOURNAL OF REGIONAL SCIENCE, Vol. 1 (Spring 1959), 19-33.

Melamid, Alexander. "Some Applications of Thunen's Model in Regional Analysis of Economic Growth," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 1 (1955), L1-L5.

Ratcliff, Richard U. URBAN LAND ECONOMICS. New York: McGraw-Hill, 1949. Chapters 10, 12-14

Row, Arthur and Everett Jurkart. "The Economic Forces Shaping Land Use Patterns," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 77-81.

Wingo, Lowdon. TRANSPORTATION AND URBAN LAND. Washington, D.C.: Resources for the Future, 1961. Chapters 2-4.

B. Spatial Pattern

Applebaum, William. "A Technique for Constructing a Population and Urban Land Use Map," ECONOMIC GEOGRAPHY, Vol. 28 (July 1952), 240-243.

- Anderson, Theodore R. "Potential Models and Spacial Distribution of Population," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 2 (1956), 175-182.
- Blumenfeld, Hans. "Form and Function in Urban Communities," JOURNAL OF THE AMERICAN SOCIETY OF ARCHITECTURAL HISTORIANS, Vol. 3 (January-April 1943), 11-21.
- - - - "Are Land Use Patterns Predictable?" JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 61-66.
- Bramhall, David K. "Projecting Regional Accounts and Industrial Locations," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 7 (1961), 89-118.
- Burgess, Ernest W. "The Growth of the City," THE CITY. Edited by Robert E. Park, Ernest W. Burgess and Broderick D. MacKenzie. Chicago: University Press, 1925, 47-62.
- Berry, Brian J. and W. L. Garrison. "A Note on Central Place Theory and the Range of a Good," ECONOMIC GEOGRAPHY, Vol. 34 (1958), 304-311.
- - - - "Recent Developments of Central Place Theory," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 4 (1958), 107-120.
- Canverse, P.D. "New Laws of Retail Gravitation," JOURNAL OF MARKETING, Vol. 14 (November 1949), 379-384.
- Carroll, J. Douglas, Jr. "Spatial Interaction and the Urban Metropolitan Description," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 1 (1955), D1-D14. (See also TRAFFIC QUARTERLY, Vol. 9 (April 1955), 149-161.)
- Carrothers, Gerald A. P. "A Historical Review of the Gravity and Potential Concept of Human Interaction," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 22, no. 2 (1956), 94-102.
- - - - "Population Projection by Means of Income Potential Models," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 4 (1957), 121-160.
- Chapin, F. Stuart. "Selected Theories of Urban Growth and Structure," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 30 (February 1964), 51-57.

- Clark, Philip J. and F. C. Evans. "Distance to Nearest Neighbor as a Measure of Spatial Relationships in Populations," *ECOLOGY*, Vol. 35 (October 1954), 445-453.
- Day, D. W. THE MATHEMATICAL DETERMINATION OF THEORETICAL RETAIL TRADING AREAS. Unpublished dissertation, State University of Iowa, Ames, Iowa, 1951.
- Detroit Metropolitan Area Traffic Study. REPORT: PART I, DATA SUMMARY AND INTERPRETATION. Detroit, July 1955.
- Dodd, Stuart C. "The Interdistance Hypothesis: A Gravity Model Fitting Physical Masses and Human Groups," *AMERICAN SOCIOLOGICAL REVIEW*, Vol. 15 (April 1950), 245-256.
- Duncan, Beverly and Otis Dudley. "The Measurement of Intra City Locational and Residential Patterns," *JOURNAL OF REGIONAL SCIENCE*, Vol. 2 (Fall 1960), 37-54.
- Dunn, Edgar S. "The Market Potential Concept and the Analysis of Location," *PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION*, Vol. 2 (1956), 183-198.
- Frieden, Bernard J. "Locational Preference in the Urban Housing Market," *JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS*, Vol. 27 (November 1961), 316-324.
- Friedman, John A. "The Concept of a Planning Region," *LAND ECONOMICS*, Vol. 32 (February 1956), 1-13.
- Garrison, William L. "Estimates of the Parameters of Spatial Interaction," *PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION*, Vol. 2 (1956), 280-288.
- - - - "Spatial Structure of the Economy," *ANNALS, ASSOCIATION OF GEOGRAPHERS*, Vol. 50 (1960), 357-373.
- - - - "Toward Simulation Models of Urban Growth and Development," *PROCEEDINGS OF THE IGU SYMPOSIUM IN URBAN GEOGRAPHY*, LUND, 1960. (Lund Studies in Geography, Series B, Human Geography no. 24, 1962), 91-108.
- - - - Brian Berry, Duane Marble, John D. Nystuen, and Richard L. Morrill. *STUDIES OF HIGHWAY AND GEOGRAPHIC CHANGE*. Seattle: University of Washington Press, 1959. 39-99, 115-156.
- Guttenberg, Albert Z. "Urban Structure and Urban Growth," *JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS*, Vol. 26 (May 1960), 104-110.

- Hamburg, John R. and Roger L. Creighton. "Predicting Chicago's Land Use Pattern," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 67-72.
- - - - and Robert Sharkey. "Chicago's Changing Land Use and Population Structure," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 26 (November 1960), 317-323.
- Horwood, Edgar M. and Ronald R. Boyce. STUDIES OF THE CENTRAL BUSINESS DISTRICT AND URBAN FREEWAY DEVELOPMENT
Seattle: University of Washington Press, 1959. 3-93.
- Isard, Walter. LOCATION AND SPACE ECONOMY. Cambridge:
The M. I. T. Press, 1956. Chapter 11.
- - - - "Distance Inputs and Space Economy." THE QUARTERLY JOURNAL OF ECONOMICS. Part I, Vol. 65 (May 1951), 181-191; Part II, Vol. 65 (August 1951), 373-399.
- - - - "Location Theory and Trade Theory," THE QUARTERLY JOURNAL OF ECONOMICS, Vol. 68 (May 1954), 305-320.
- - - - METHODS OF REGIONAL ANALYSIS. New York: John Wiley, 1960. 493-568, 569-758.
- - - - and Martin J. Peck. "Location Theory and International and Interregional Trade Theory," THE QUARTERLY JOURNAL OF ECONOMICS, Vol. 68 (February 1954), 97-114.
- Karan, Pradyumna Prasad. "The Pattern of Indian Towns: A Study in Urban Morphology," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 2 (1957), 70-75.
- Lynch, Kevin and Lloyd Rodwin. "A Theory of Urban Form," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 24, no. 4 (1958), 201-214.
- Mayer, Harold and Clyde F. Kohn. READINGS IN URBAN GEOGRAPHY. Chicago: University of Chicago Press, 1959. 202-209, 277-324, 499-510.
- Muth, Richard F. "The Spatial Structure of the Housing Market," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 7 (1961), 207-220.
- Nystuen, John D. and Michael F. Dacey. "A Graph Theory Interpretation of Nodel Regions," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 7 (1961), 29-42.

- Orcutt, G. H. "Micro-analytic Models for Regional Analysis,"
DESIGN OF REGIONAL ACCOUNTS. Edited by Werner
Hochwald. Baltimore: The Johns Hopkins Press, 1961.
- Philbrick, Allen. "Areal Functional Organization in Regional
Geography," PAPERS AND PROCEEDINGS OF THE REGIONAL
SCIENCE ASSOCIATION, Vol. 3 (1957), 87-98.
- Reilly, W. J. METHODS FOR THE STUDY OF RETAIL RELATION-
SHIPS. Austin: University of Texas, Bureau of Business Re-
search, Monograph no. 4 (University of Texas Bulletin no. 2994),
November 1, 1929.
- - - - THE LAW OF RETAIL GRAVITATION. New York: W. J.
Reilly Company, 1931.
- Roether, Richard W. "Population Potential in Metropolitan Areas."
Unpublished thesis, Massachusetts Institute of Technology,
Cambridge, Mass., 1949.
- Stewart, J. Q. "An Inverse Distance Variation for Certain Social
Influences," SCIENCE, Vol. 93, no. 2404 (January 1941),
89-90.
- - - - "Suggested Principles of Social Physics," SCIENCE,
Vol. 106, no. 2747 (August 1947), 179-180.
- - - - "Concerning Social Physics," SCIENTIFIC AMERICAN,
Vol. 178 (May 1948), 20-23.
- - - - "The Development of Social Physics," AMERICAN JOURNAL
OF PHYSICS, Vol. 18 (May 1950), 239-253.
- - - - and William Warntz. "Physics of Population Distribution,"
JOURNAL OF REGIONAL SCIENCE, Vol. 1 (Summer 1958),
99-123.
- Stevens, Benjamin. "An Application of Game Theory to a Problem
in Location Strategy," PAPERS AND PROCEEDINGS OF THE
REGIONAL SCIENCE ASSOCIATION, Vol. 7 (1961), 143-157.
- Stine, James H. "Temporal Aspects of Tertiary Production Elements
in Korea," in URBAN SYSTEMS AND ECONOMIC DEVELOP-
MENT. Edited by Forrest R. Pitts. Eugene, Ore: The School
of Business Administration, University of Oregon, June, 1962.
68-88.

Vining, Rutledge. "Delimitation of Economic Areas," JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION, Vol. 48 (March 1953), 44-64.

Von Boverter, Edwin. "Spatial Organizational Theory as a Basis for Regional Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 30 (May 1964), 90-100.

Webber, Melvin M., et al. EXPLORATIONS INTO URBAN STRUCTURE. Philadelphia: University of Pennsylvania Press, 1964.

Weismantel, William L. "Dante's Inferno. The First Land Use Model," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (November 1959), 175-179.

Wingo, Lowdon. CITIES AND SPACE. Baltimore: Johns Hopkins Press, 1963. 23-54, 57-71, 73-101, 103-131, 155-172.

- - - - "An Economic Model of the Utilization of Urban Land for Residential Purposes," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 7 (1961), 191-205.

- - - - TRANSPORTATION AND URBAN LAND. Washington, D. C.: Resources for the Future, 1961. Chapters 5 and 6.

Zipf, George K. "The $P_1 P_2 / D$ Hypothesis: On the Intercity Movement of Persons," AMERICAN SOCIOLOGICAL REVIEW, Vol. 2 (December 1946), 677-685.

Zisman, S. B. "Notes on Industrial Site Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (August 1959), 151-156.

C. The Synthetic Architectonic Model

American Public Health Association. PLANNING THE NEIGHBORHOOD. Chicago: Public Administration Service, 1960.

Branch, Melville. "Three Graphic Reconstructions of Early City Forms," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (February 1959), 26, 34, 40.

- - - - "Rome and Richmond," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 28 (February 1962), 1-9.

Carter, Edward. THE FUTURE OF LONDON. London: Penguin Books, 1962.

- Chermayeff, Serge and Christopher Alexander. COMMUNITY AND PRIVACY. New York: Doubleday, 1963.
- Crane, David A. "The City Symbolic," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 26 (November 1960), 280-292.
- Doxiadis, Constantinos. ARCHITECTURE IN TRANSITION. New York: Oxford University Press, 1963.
- Geddes, Patrick. CITIES IN EVOLUTION. New York: Oxford University Press, 1950.
- Gulick, John. "Images of an Arab City," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 29 (August 1963), 179-198.
- Hilberseimer, Ludwig. THE NEW CITY. Chicago: Paul Theobald, 1944.
- Howard, Ebenezer. GARDEN CITIES OF TOMORROW. London: Faber and Faber, Limited, 1902.
- Le Corbusier. CONCERNING TOWN PLANNING. New Haven: Yale University Press, 1948.
- Lynch, Kevin. "Environmental Adaptability," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 24, no. 2 (1958), 16-24.
- Mann, Lawrence D. "Studies in Community Decision-Making," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 30 (February 1964), 58-65.
- Neutra, Richard. SURVIVAL THROUGH DESIGN. New York: Oxford University Press, 1959.
- Osborn, Frederick and Arnold Whittick. THE NEW TOWNS. New York: McGraw-Hill, 1963.
- Perry, Clarence. "The Neighborhood Unit," NEIGHBORHOOD AND COMMUNITY PLANNING, REGIONAL SURVEY OF NEW YORK AND ITS ENVIRONS, Vol. 7. New York: 1929.
- Polsby, Nelson W., Robert A. Dentler, and Paul A. Smith. POLITICS AND SOCIAL LIFE. Boston: Houghton-Mifflin Co., 1963. 13, 53, 54, 55, 65.

- Reiner, Thomas A. THE PLACE OF THE IDEAL COMMUNITY IN URBAN PLANNING. Philadelphia: University of Pennsylvania Press, 1963.
- Saarinen, Eliel. THE CITY -- ITS GROWTH, ITS DECAY, ITS FUTURE. New York: Reinhold Publishing Corporation, 1943.
- Sert, J. L. CAN OUR CITIES SURVIVE? Cambridge: Harvard University Press, 1942.
- Sharp, Thomas. THE ANATOMY OF THE VILLAGE. Harmondsworth, Middlesex: Penguin Books, 1946.
- Sherman, Stanley M. "On Forming and Reforming Towns and Cities," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 29 (May 1963), 134-143.
- Sitte, Camillo. THE ART OF BUILDING CITIES. New York: Reinhold Publishing Corporation, 1945.
- Stein, Clarence. TOWARD NEW TOWNS FOR AMERICA. New York: Reinhold Publishing Corporation, 1957.
- Wolfe, Myer R. "Marks of the Eras," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 26 (May 1960), 125-130.
- Wright, Frank Lloyd. THE LIVING CITY. New York: Mentor, 1963. 99-255.

IV. MODELS OF DECISION MAKING

- Cooper, William W. and Abraham Charnes. "Linear Programming," SCIENTIFIC AMERICAN, Vol. 19 (August 1954), 21-23.
- Creighton, Roger; J. Douglas Carroll, Jr.; and Graham S. Finney. "Data Processing for City Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 96-103.
- Eckstein, Otto. WATER RESOURCE DEVELOPMENT. Cambridge: Harvard University Press, 1958. Chapters 2-4.
- Gottlieb, Abe. "Planning Elements of an Inter-Industry Analysis," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 22, no. 4(1956), 230-236.

- Isard, Walter. "Interregional Linear Programming: An Elementary Presentation and a General Model," JOURNAL OF REGIONAL SCIENCE, Vol. 1 (Summer 1958), 1-59
- - - - METHODS OF REGIONAL ANALYSIS. New York: John Wiley, 1960. 413-492.
- - - - and Robert E. Coughlin. MUNICIPAL COSTS AND REVENUES RESULTING FROM COMMUNITY GROWTH. West Trenton, N. J.: Chandler-Davis, 1957
- - - - and John H. Cumberland. REGIONAL ECONOMIC PLANNING. Paris: European Productivity Agency of the OEEC, 1961. Chapter 15.
- Litchfield, Nathaniel. "Cost-Benefit Analysis in City Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 26 (November 1960), 273-279.
- - - - ECONOMICS OF PLANNED DEVELOPMENT. London: Estates Gazette, 1956. Part IV.
- Kuhn, Tillo E. PUBLIC ENTERPRISE ECONOMICS AND TRANSPORT PROBLEMS. Berkeley: University of California Press, 1962. Chapters 3-6, 10 and Appendices A, D, and E.
- Krutilla, John V. and Otto Eckstein. MULTIPLE PURPOSE RIVER DEVELOPMENT. Baltimore: Johns Hopkins, 1957.
- Mass, Arthur, et al. DESIGN OF WATER RESOURCE SYSTEMS. Cambridge: Harvard University Press, 1962. Chapters 2-4, 6, 13 and 15.
- Simon, Herbert. MODELS OF MAN. New York: Wiley, 1957. 10-61, 196-206, 241-273.
- Spivey, W. Allen. "Linear Programming," SCIENCE, Vol. 135, no. 3497 (January 1962), 23-27.
- Steinlieb, George. THE GARDEN APARTMENT DEVELOPMENT. New Brunswick, N. J.: Rutgers University, Bureau of Economic Development, 1964.
- Stevens, Benjamin H. "A Review of the Literature on Linear Methods and Models for Spatial Analysis," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 26 (August 1960), 253-259.
- - - - and Robert E. Coughlin. "A Note on Inter-Areal Linear Programming for a Metropolitan Region," JOURNAL OF REGIONAL SCIENCE, Vol. 1 (Spring 1959), 75-83.

Stevens, Benjamin H. "An Interregional Linear Programming Model," JOURNAL OF REGIONAL SCIENCE, Vol. 1 (Summer 1958), 60-98.

Tinberger, James, and Hendricus C. Bos. MATHEMATICAL MODELS OF ECONOMIC GROWTH. New York: McGraw Hill, 1962. Chapter 1.

Wheaton, William. "Application of Cost-Revenue Studies to Fringe Areas," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (November 1959), 170-174.

V. THE NON-SPATIAL MODEL: POPULATION

Isard, Walter. METHODS OF REGIONAL ANALYSIS. New York: Wiley, 1960. Chapters 2 and 3.

Lowry, Ira S. METROPOLITAN POPULATIONS TO 1985: TRIAL PROJECTIONS. Santa Monica, Calif.: Rand Corporation, 1964.

Thomlinson, Ralph. "A Model for Migration Analysis," JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION, Vol. 56 (September 1961), 675-686.

VI. THE NON-SPATIAL MODEL: TRAFFIC

Bellman, Richard. "Notes in the Theory of Dynamic Programming Transportation Models," MANAGEMENT SCIENCE, Vol. 4 (January 1958), 191-195.

Bevis, Howard V. "Forecasting Zonal Traffic Volumes," TRAFFIC QUARTERLY, Vol. 10 (April 1956), 207-222.

- - - - "A Model for Predicting Urban Traffic Patterns," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 87-89.

Booth, James and Robert Morris. "Transit vs. Auto Travel in the Future," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 90-94.

- Calland, William B. "Traffic Forecasting for Freeway Planning," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 25 (May 1959), 82-86.
- Chicago Area Transportation Study. A DESCRIPTION OF THE CHICAGO AREA TRANSPORTATION STUDY. Chicago: CATS, 1957.
- Creighton, Roger L. "Utilization of Data Processing in Transportation Research," AUTOMATIC DATA PROCESSING: ITS APPLICATION TO URBAN PLANNING. Edited by Richard D. Duke. East Lansing: Michigan State University, 1961. 45-51.
- Fleisher, Aaron. "On Prediction and Urban Traffic," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 7 (1961), 43-50
- Garrison, William L., Brian J. Berry, Duane F. Marble, John D. Nystuen and Richard L. Morrill. STUDIES IN HIGHWAY DEVELOPMENT AND GEOGRAPHIC CHANGE. Seattle: University of Washington Press, 1959. 157-177, 181-196, 197-226, 229-276.
- Ikle, F. C. "Sociological Relationship of Traffic to Population and Distance," TRAFFIC QUARTERLY, Vol. 8 (April 1954), 123-136.

VII. THE NON-SPATIAL MODEL: ECONOMIC BASE

- Andrews, Richard B. "Comment Re Criticism of the Economic Base Theory," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 24, no. 1 (1958), 37-40.
- Artle, Roland. "On Some Methods and Problems in the Study of Metropolitan Economies," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 8 (1962), 71-92.
- Blumenfeld, Hans. "The Economic Base of the Metropolis," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 21, no. 4 (1955), 114-132
- Gillies, James and William Grigsby. "Classification Errors in Base-Ratio Analysis," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 22, no. 1 (1956), 17-23.
- Harris, Britton. "Comments on Pfout's Test of the Base Theory," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 24, no. 4 (1958), 233-246.

- Harris, Britton. "Projecting Industrial Growth of Metropolitan Regions," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 2 (1956), 239-249.
- Henshaw, Richard C., Jr. "Utilization of the Electronic Computer in Economic Studies," AUTOMATIC DATA PROCESSING: ITS APPLICATION TO URBAN PLANNING. Edited by Richard Duke. East Lansing: Michigan State University, 1961. 55-65.
- Hirsch, Werner Z. (ed.). ELEMENTS OF REGIONAL ACCOUNTING. Baltimore: Johns Hopkins Press, 1964.
- Hochwald, Werner. "Dependence of Local Economies upon Foreign Trade," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 4 (1958), 259-271.
- Isard, Walter. METHODS OF REGIONAL ANALYSIS. New York: Wiley, 1960. 80-231, 309-374.
- - - - and John A. Cumberland. REGIONAL ECONOMIC PLANNING. Paris: European Productivity Agency of the OEEC, 1961. Chapters 13, 14, 16.
- Leven, Charles. "Regional Income and Product Accounts: Construction and Application," DESIGN OF REGIONAL ACCOUNTS PAPERS. Edited by Werner Hochwald. Baltimore: published for Resources for the Future by Johns Hopkins Press, 1961. 148-198.
- - - - "A Theory of Regional Social Accounting," PAPERS AND PROCEEDINGS OF THE REGIONAL SCIENCE ASSOCIATION, Vol. 4 (1958), 221-237.
- Moyerman, Sue S. and Britton Harris. "The Economics of the Base Study," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 21, no. 2-3 (1955), 88-93.
- McGovern, P. D. "Identifying Exporting Industries," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 27, no. 2 (1961), 144-150.
- Pfouts, Ralph W. "An Experimental Testing of the Economic Base Theory," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 2 (1957), 64-69.
- Tiebout, Charles M. "Exports and Regional Growth," JOURNAL OF POLITICAL ECONOMY, Vol. 64 (April 1956), 160-164, 165-168, 169.

Tiebout, Charles M. "Input-Output and Foreign Trade Multiplier Models in Urban Research," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 3 (1957), 126-134.

Thomas, Morgen D. "The Economic Base and a Region's Economy," JOURNAL OF THE AMERICAN INSTITUTE OF PLANNERS, Vol. 23, no. 2 (1957), 86-92.

Tinberger, Jan and H. C. Bos. MATHEMATICAL MODELS OF ECONOMIC GROWTH. New York: McGraw-Hill, 1962. Chapter 7.

VIII. URBAN GROWTH MODELS GENERATED AND SYNTHESIZED

Chapin, F. Stuart, Jr., and Shirley Weiss. FACTORS INFLUENCING LAND DEVELOPMENT. Chapel Hill: Institute for Research in Social Science, University of North Carolina, 1962. Chapters 1-3.

- - - - LAND DEVELOPMENT PATTERNS. Chapel Hill: Institute for Research in Social Science, University of North Carolina, 1960. Chapters 2-4.

- - - - and Shirley F. Weiss, Editors. URBAN GROWTH DYNAMICS IN A REGIONAL CLUSTER OF CITIES. New York: Wiley, 1962.

Donnelly, Thomas G., F. Stuart Chapin, Jr., and Shirley F. Weiss. A PROBABILISTIC MODEL FOR RESIDENTIAL GROWTH. Chapel Hill: Institute for Research in Social Science, University of North Carolina, 1964.

Garrison, William L. NOTES ON THE SIMULATION OF URBAN GROWTH AND DEVELOPMENT. Seattle, Wash.: University of Washington, February 16, 1960. (Department of Geography, Division Paper No. 24.)

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